IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of) Group Art Unit: TBA
Vazquez et al.) Examiner: TBA
Application No. TBA) Atty: Docket No. 101765.00026 (2704/8)
Filed: February 24, 2004	,

Filed: February 24, 2004

For: SUCCING

SUCCINOYLAMINO HYDROXYETHYLAMINO SULFONAMIDES

USEFUL AS RETROVIRAL PROTEASE INHIBITORS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.197 and 1.98, enclosed is Form PTO-1449 (pages 1 through 5) listing documents for consideration by the Examiner during the prosecution of the subject application. The art cited on pages 1 through 3 of the form was previously disclosed and submitted in patent Application Serial No. 09/419,816 filed October 18, 1999 and Application Serial No. 08/541,747 filed October 10, 1995. Copies of the documents on page 4 of the form were submitted in grandparent Application Serial No. 09/884,462 on June 20, 2001. Since applicants relied on the benefit of those applications under 35 U.S.C. § 120, a copy of that art is not being resubmitted herewith (37 C.F.R. § 1.98(d)). The document cited on page 5 is enclosed. It is believed no fee is required to make this a complete filing, however, if a fee is required, please charge our deposit account no. 19-0733.

By:

Consideration of this information is respectfully requested.

Respectfully submitted,

Date: February 24, 2004

Joseph M. Skerpon Registration No. 29,864

Banner & Witcoff, Ltd. 1001 G Street, N.W. 11th Floor Washington, D.C. 20001-4597 202-508-9100 JMS/bao

IForm PTO 1449 U.S. Department of Commerce | Atty. Docket No. I (Rev. 7-80) Patent and Trademark Office 1101765. 00026 (2704/8) TBA APPLICANT LIST OF DOCUMENTS CITED BY APPLICANT I M. Vazquez et al (Use several sheets if necessary) Filing Date | Group Page 1 of 5 2/24/2004 TBA PATENT DOCUMENTS S. Exmr. In | Document Issue Name IU.S. **ISub** |Filing | Number Date |Class|Class|Date I HA I 4,668,769 126 May 87 | Hoover 1530 1331 2 Aug 11985 IAI 4,668,770 126 May 87 | Boger et al 1530 1331 18 May 11984 I LA 4,757,050 112 Jul 88 | Natarajan et al|514 118 128 Aug | IAKI 4,880,938 <u> 119</u>87 l 114 Nov 89 | Freidinger 1548 1492 116 Jun | 11986 1 IAL 4,963,530 116 Oct 90 | Hemmi et al 1514 119 |21 Mar | I MA 4,977,277 11988 | 11 Dec 90 | Rosenberg et al | 1549 1215 5 Jun <u> 11989</u> Foreign Patent Documents ı Document | Publication | Country Int'l. | Sub |Trans Number Date |Class|Class|Y | N | | TA W084/03044 116 Aug 84 IPCT 1A61K | 137/641 IAVI 104,041 Europe IC07C |103/52| IWAI 114,993 | Europe IC07C |103/52| I XX I 172,347 126 Feb 86 | Europe IC07K 15/00 | Documents (Including Author, Title, Date, Pertinent Pages, IBM | Rich et al, Peptide Inhibitors of Proteases, 511-520 IBN | Rosenberg et al, <u>J. Med. Chem.</u>, <u>30</u>, 1224-1228 (1987) **IEXAMINER** I DATE CONSIDERED Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Page 2	2 of	·5			Filing Da	te.	Group	,
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			U. S. PATE	T DOC	UMENTS			
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i	I AB I	SIR H725	12 Jan 90	Gord	On			2126 Se 11985
	AC I	4,514,391				1548	1533	126 Fe
			130 Apr 85	Gord	on et al	1514	12	11987
	AD [4,450,164	122 May 84	Brist	ol et al	1124		21 Ju: 1983
	AE I	4,477,441	116 Oct 84			1424 1	1256	120 Dec
	AF I		110 000 84	Boger	et al	1424	1177	11982 14 Sep
!	_ _	4,548,926	122 Oct 85	Matsu	eda et al	1534		11983
17	AG I	4,616,088	17 Oct 86	ᆚ		1514	119	17 Jun
i -				Ryono	et al	1546	1336	11984 14 Dec
1			Foreign Pa	tent 1	Documents			11984
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i_ la	иI	0 346 847	120 Dec 89	I E D		Triass	<u> </u>	Y I M
I IA	01	0 342,541		<u> </u>	•	IC07D	207/10	
<u> </u>			23 Nov 89	EP		IC07K	15/02 1	
A	PI	2,184,730	11 Jul 87	U.K.		<u> </u>	ı	#
I A(QI	2,209,752	124			ICO7K	15/00 1	!
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			127 Apr 88	EP ·		C07k	15/00 1	
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Other Doc	umen	ts (Includin						
I BG	IRo	berts et al	Rational D	tle, D	ate, Perti	nent p	Ades. o	ta) .
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. IRT	<u> ISci</u>	ience, 249,	, "Design Ac ric Inhibitor 527 (1990)	Comple	exed to HI	V-1 Pro	ctease,	rure i
1	Nat	ure et al, •:	<u>527 (1990).</u> Sequence spec	ificit	v of retro		-	i
	1328	(1987)			or recto	viral 1	proteas	es"
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' Page 3	3 of 5		Filing D	Date Group
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	-	oreign Pate	ent Documents	
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	_L_Number	Publication	Country	I Tobas
IAY	1 223,437	Date	1	Int'l. Sub Tr
	1	27 May 87	Europe	ILIBSS [C]assIv
IAZ	1 337,714			IC07K 15/00 I
	1	118 Oct 89	Europe	
IBA	1 356,223		1_	IC07K 15/02 I
	1	128 Feb 90	Europe	
IBB	389,898 A2		1	CO7K 37/64
j	1 303,698 AZ	13 Oct 90	Europe	
IBD	393,445		1	IC07K 15/02
	, 555,445 	124 Oct 90	Europe	
BE	393,457		J	A61K 37/64
	333,437	124 Oct 90	Europe	
IBF I	402,646	<u></u>	l	IC07K 1005/061
	102,646	119 Dec 90	Europe	
IBO I	460		l ·	CO7D 213/40
1801	468,641	129 Jan 92	Passa	
		1	Europe	C07D 5/02
BP	92/08699	129 May 92		
		l lay 92	PCT/WO	CO7D 215/48
		4===		_ 213/48
Other Docume	ents (Include	ng Author, T		
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	· · · · · · ·			U.S. PATENT DOCUM	MENTS	
Examiner Cite	U.S. Pa	atent Document	Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevant	
Initials *	No.¹	Number	Kind Code ² (if known)	of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
· .				5,760,076	October 10, 1995	
				5,714,605	October 10, 1995	
		L		5,463,104	August 24, 1993	
				6,022,994	February 8, 2000	
				6.313.345	Nov. 6, 2001	
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark hee if English language Translation is attached.

101765.00026 (2704/8)

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	1	T	U.S. PATENT	Name of Patentee or Applicant of	<u> </u>
Examiner Initials *	Cite No.1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Cited Document	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear
		US- 6,469,207	10-22-2002	Vazquez et al.	
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³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.